

2 / 2 PLUSPAT - ©QUESTEL-ORBIT - image  
 PN - JP2075799 A 19900315 [JP02075799]  
 PN2 - JP6008638 B 19940202 [JP94008638]  
 TI - (A) BLOWER DEVICE  
 PA - (A) HITACHI LTD; HITACHI AUTOMOTIVE ENG  
 PA0 - (A) HITACHI LTD; HITACHI AUTOMOT ENG CO LTD  
 IN - (A) FUKASAKU YOSHINORI; FURUYAMA BUNJI; HASHIMOTO KATSUHIKO; UJIIE  
 MITSUO  
 AP - JP22720088 19880909 [1988JP-0227200]  
 PR - JP22720088 19880909 [1988JP-0227200]  
 IC - (A) F04D-029/62  
 STG - (A) Doc. Laid open to publ. Inspec.  
 STG2 - (B) Publd. Examined patent applic.

AB - PURPOSE: To improve productivity, to simplify a work to assemble a device, to reduce the weight of a device, and to reduce the generation of noise by a method wherein a motor cover is divided into two sections, a motor housing is nipped therebetween, and the division elements are intercoupled through a joining member. CONSTITUTION: A flange 6 is provided on the outer periphery of a motor cover 5, and the motor cover 5 and the flange 6 are integrally molded by using synthetic resin or a compound material. The motor cover 5 is provided with a lock part 5c locked to at least to the one end surface in an axial direction of a motor housing 2a. The motor cover A is divided into two sections, and motor cover division elements 5a and 5b are intercoupled through a joining member in a state that the motor housing 2a is nipped between the division elements 5a and 5b of the motor cover 5. COPYRIGHT: (C)1990,JPO&Japio

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ABSTRACT - JP 2-75799

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PN - JP9105397 A 19970422 [JP09105397]  
PN2 - JP2755939 B2 19980525 [JP2755939]  
TI - (A) BLOWER UNIT  
PA - (A) HITACHI LTD; HITACHI CAR ENG CO LTD  
PA0 - (A) HITACHI LTD; HITACHI CAR ENG CO LTD  
IN - (A) FUKASAKU YOSHINORI; FURUYAMA BUNJI; HASHIMOTO KATSUHIKO; UJIIE  
MITSUO  
AP - JP27675596 19961021 [1996JP-0276755]  
PR - JP27675596 19961021 [1996JP-0276755]  
IC - (A) F04D-029/62  
STG - (A) Doc. Laid open to publ. Inspec.  
STG2- (B2) Grant. Pat. With A from 2500000 on  
AB - PROBLEM TO BE SOLVED: To make improvements in productivity of a  
blower unit and to make it simple in assemblage, light in weight  
and little in noise.  
SOLUTION: In a device which is equipped with a fan motor 2 and a  
blower casing 4 with a built-in fan 1, and attaches the motor 2 to  
this casing 4 via a flange 6, it is provided with a tubular motor  
cover 5 covering the circumference of a motor housing 2a and  
supporting the motor 2, and a flange 6 is installed on the  
circumference of this cover 5. The motor cover 5 and the flange 6  
are integrally molded with plastics or compound materials. In this  
case, an engaged part 5c being engaged with one end face in the  
axial direction of the motor housing 2a is installed in this motor  
cover 5. The motor cover 5 is halved orthogonally, namely  
horizontally splitting in the axial direction, and two split  
elements 5a and 5b of this motor cover 5 are pinching the motor  
housing 2a from both sides, and simultaneously these cover split  
elements 5a and 5b are connected to each other by a coupling  
means.  
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